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No. 40] NEW DELHI, SATURDAY, OCTOBER 3, 1987 (ASAVINA 11, 1909)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खंड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 3rd October 1987

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(1019)

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 19th August, 1987

- 655/Cal/87. Hoechst A.G. Process for the manufacture of 4-chloro-phenylsulfonyl compounds. [Divisional dated 18th August, 1987]
656/Cal/87. Voest-Alpine Aktiengesellschaft, Dredger Tooth. RCA Corporation.
657/Cal/87. Improved color display system and cathode-ray tube.

The 20th August, 1987

- 658/Cal/87. Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H A travelling on track bulk material loading wagon with adjustable unloading chutes.
659/Cal/87. Hitachi Ltd. Data communication method and apparatus.
660/Cal/87. Engelhard Corporation. Process for decomposing ammonia in a gas stream. [Divisional dated 27th September, 1983].
661/Cal/87. Lensing Aktiengesellschaft. Shed-forming apparatus for drop weave.

The 21st August, 1987

- 662/Cal/87. The Babcock & Wilcox Company. Improved current fault detection method.
663/Cal/87. Stanic, Miodrag. Shut-off valve for fluids.

The 24th August, 1987

- 664/Cal/87. (1) Hitachi Ltd. (2) Hitachi Construction Machinery Co. Ltd. Thrust hydrostatic bearing device for use in axial piston machine.
665/Cal/87. Toyo Engineering Corporation. Catalytic Reactor.
666/Cal/87. Emerson Electric Co. Permanent magnet assembly and method of making same.

The 25th August, 1987

- 667/Cal/87. Degussa, Aktiengesellschaft. A process for the preparation of hydrogen peroxide.
668/Cal/87. Degussa Aktiengesellschaft. Mixtures of sulphur-containing iriazine compounds and a production process.
668/Cal/87. Degussa Aktiengesellschaft. Mixtures of sulphur-containing iriazine compounds and a production process.

The 26th August, 1987

- 670/Cal/87. BWN Vortoil Limited. Cyclone separator. (Convention dated 27th August, 1986 and 28th November, 1986) both are U.K.

The 27th August, 1987

- 671/Cal/87. (1) Daniil Borisovich Gorodetsky. (2) Boris Sheilikovich Khaitin. (3) Rafail Akimovich Vitshuk. Method for low-temperature carbonitriding of steel pieces.
672/Cal/87. (1) Uralsky Politeknichesky Institut Imeni S.M. Kirova. (2) Nizhnetavilsky Metallurgichesky Kombinat Imeni V.I. Lenina. Method for restoring surfaces of steel parts.
673/Cal/87. Societe Chimique Des Charbonnages S.A. Improved continuous process for the manufacture of homopolymers of ethylene or copolymers of ethylene with at least one olefin. [Divisional dated 21st December, 1983].
674/Cal/87. Josef Pradler. Linear drive unit.

The 28th August, 1987

- 675/Cal/87. Ranjit Chaliha. A bulk carrying superstructure particularly suitable for transporting green tea leaves.
676/Cal/87. Ausimont S.p.A. Manufactured articles endowed with high characteristics of low-temperature plasticity, based on polytetrafluoroethylene or tetrafluoro-ethylene copolymers, and pastes for their preparation.
677/Cal/87. Nauchno-Proizvodstvennoye Obiedinenie "Elektrofaror. Sealed Electric lead-in.
678/Cal/87. Uzbexboe Proizvodstvennoye Obiedinenie Textilnogo Mashinostroenia. Apparatus for producing self-twisted fibrous product.
679/Cal/87. Belorussky Gosudarstvennyy Universitet Imeni V.I. Lenina. Device for remote transmission of angular position and force between master and actuating shafts.
690/Cal/87. Belorussky Gosudarstvennyy Universitet Imeni V.I. Lenina. AC voltage Switching System.
681/Cal/87. Westinghouse Electric Corporation. Improvements in or relating to terminal base assembly for meter sockets.
682/Cal/87. Toroma Pty. Limited. A female contraceptive device.

The 3rd August, 1987

- 683/Cal/87. Vostochny Nauchno-Issledovatel'sky Uglekhimichesky Institut (Vukhin). Coke making process.
684/Cal/87. Vsesojuzny Nauchno-Issledovatel'sky Institut Veterinarnoi Entomologii i Arakhnologii. Insecticidal composition and method for producing same.
685/Cal/87. Leningradsky Gosudarstvennyy Institut Po Proektirovaniyu Metallurgicheskikh Zavodov "Lengiprom". Method of rail finishing.
686/Cal/87. Dnepropetrovsky Metallurgichesky Institut Imeni L.I. Brezhneva. Process for refining aluminium alloys.
687/Cal/87. E.I. Du Pont De Nemours and Company. Filler compositions and their use in manufacturing fibrous sheet materials. (Convention dated 9th September, 1986) U.K.

- 688/Cal/87. Metallurgical & Engineering Consultants (India) Limited. System for detecting leakage of water from blast furnace tuyere (S).

The 1st September, 1987

- 689/Cal/87. Trutzschler Gmbh & Co. Kg. A device at a carding machine with a silver insertion device.
690/Cal/87. Trutzschler Gmbh & Co. Kg. Lap leveler for a textile fiber processing machine.

The 2nd September, 1987

- 691/Cal/87. Dalmia Institute of Scientific & Industrial Research, Hari Fertilisers Ltd. A method of granulating ammonia seed Fertiliser.
692/Cal/87. The Babcock & Wilcox Company. Advanced motor controller.
693/Cal/87. Westinghouse Electric Corporation. Circuit breaker with fast trip unit.
694/Cal/87. Trutzschler Gmbh & Co. Kg. A device for the filling of a carding machine, carding engine, opener, cleaner or similar things with spinning material.
695/Cal/87. Lanxide Technology Company, LP. Method for producing self-supporting ceramic bodies with refined microstructures.
696/Cal/87. Compagnie Generale Des Matiers. Rotary blower with guide sleeve.
697/Cal/87. American Cyanamid Company. Method for the preparation of pyridine-2, 3-Dicarboxylic acids.

APPLICATION FOR THE PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, THIRD FLOOR, KAROL BAGH,
NEW DELHI-110005

The 20th July, 1987.

- 618/Del/87. Aktiebolaget Bofors, "Armour piercing shell".
619/Del/87. Advanced Separation Technologies Incorporated, "Process for separation of acids and corresponding acid salts".
620/Del/87. Exxon Chemical Patents Inc., "Improved dry ammonium nitrate blasting agents".
621/Del/87. Union Rheinische Braunkohlen Kraftstoff AG., "Corrosion inhibitor and a novel fuel composition".

The 22nd July, 1987

- 622/Del/87. Council of Scientific and Industrial Research, "A method for enhanced dewaxing of crude rice bran oil".
623/Del/87. Union Carbide Corporation, "A method for coating a substrate". [Divisional date 27th October, 1984].
624/Del/87. Union Carbide Corporation, "A process for preparing a coating composition". [Divisional date 27th October, 1984].

- 625/Del/87. Ross Systems Corporation, "Process and apparatus for forming a dental prosthesis and installing same in a patient's mouth".

The 23rd July, 1987

- 626/Del/87. Council of Scientific and Industrial Research, "A process for the preparation of 2, 7-Diamidinoxanthenes and thioxanthenes".
627/Del/87. Council of Scientific and Industrial Research, "Improvements in or relating to the process for the preparation of chromium dioxide".
628/Del/87. Fuller Company, "An assembly for rotating a drum".
629/Del/87. Bayer Aktiengesellschaft, "A process for preparing amino compound". [Divisional date 8th January, 1985].

The 24th July, 1987

- 630/Del/87. Lixong Chemical Patents Inc., "Liquid fuel compositions". (Convention date 29th July, 1986, U.K.).
631/Del/87. Pfizer Inc., "A process for preparing 2-oxindole compound [Divisional date 22nd January, 1985].
632/Del/87. Pfizer Inc., "A process for preparing intermediates of 2-oxindole compounds". [Divisional date 22nd January, 1985].

- 633/Del/87. Council of Scientific and Industrial Research, "A process for the formation of stencil for solder cream printing on thick-film hybrid circuit".

The 27th July, 1987

- 634/Del/87. John Velencei, "Improved internal combustion engine".
635/Del/87. Dpor-Oliver Incorporated, "Method of dewatering filter cakes and apparatus for carrying out the method".
636/Del/87. Pfizer Limited, "Polycyclic ether antibiotics". (Convention date 1st August, 1986, U.K.).
637/Del/87. Shell Internationale Research Maatschappij B.V., "A process for the preparation of a silver-containing catalyst". (Convention date 28th July, 1986, U.K.).

The 28th July, 1987

- 638/Del/87. Kapoor Chand Jain, "A coated paper".

- 639/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of trioxane".

- 640/Del/87. Kapoor Chand Jain, "A coated paper".

- 641/Del/87. Kapoor Chand Jain, "A process for coating of paper".

- 642/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of trioxane".

- 643/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of trioxane".

- 644/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of trioxane".

- 645/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of trioxane".

- 646/Del/87. Innotech Energy Corporation, "Drill pipes and casings utilizing multi-conduit tubulars".

- 647/Del/87. Alra Laboratories, Inc., "Sustained release tablets and method of making same".

- 648/Del/87. The Lubrizol Corporation, "N-Substituted thio Alkyl phenothiazines".

- 649/Del/87. KO C. Lang, "Method and blank for the manufacture of high efficiency open volumed packing bodies".

- 650/Del/87. STC PLC., "Subscriber-connected equipment". (Convention date 8th August, 1986, U.K.).

The 29th July, 1987

- 651/Del/87. Council of Scientific and Industrial Research, "A facile enzymatic resolution process for the preparation of R-(-)-1,1,1-Trichloro-2-Hydroxy-4-Methyl-3-Pentene".

- 652/Del/87. Council of Scientific and Industrial Research, "Bipolar cell for the production of chlorates and hypochlorites".

- 653/Del/87. Council of Scientific and Industrial Research, "Improvements in or relating to the development of electrocoatings from modified epoxy resin system by cathodic deposition".

- 654/Del/87. UOP Inc., "A process for converting hydrocarbons". [Divisional date 23rd November, 1984].

- 655/Del/87. Zing International Limited, "A stackable container".

- 656/Del/87. CO.GE, IT S.R.L. Costruzioni Generali Italiane, "Process for tanning fish skin".

- 657/Del/87. Universal Vectors Corporation, "Work saving system for preventing loss in a computer due to power interruption".

- 658/Del/87. Samancor Limited, "Process for the enhanced reduction of chromite ores".

The 30th July, 1987

- 659/Del/87. Whirlpool Corporation, "High performance washing process for vertical axis automatic washer".

- 660/Del/87. Council of Scientific and Industrial Research, "An improved process for the preparation of elastomers having random distribution of functional groups from olefinic polymers".

- 661/Del/87. Baltiskoe Tsentralnoe Proektno-Konstrukorskoe Buro S. Experimentalnym (Opytnym) Proizvodstvom, "Method for band-slinging of packed loads and a band sling for carrying same into effect".

- 662/Del/87. Du Pont (Australia) Ltd., "Reinforcing method and means". (Convention date 30th July, 1986, Australia).

The 31st July, 1987

- 663/Del/87. Council of Scientific and Industrial Research, "A process for producing high strength cold bonded ore pellets".

- 664/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of trioxane from polyacetal resin waste".
- 665/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of trioxane from polyacetal resin waste".
- 666/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of trioxane from polyacetal resin waste".
- 667/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of trioxane from polyacetal resin waste".
- 668/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of alpha polyoxymethylene".
- 669/Del/87. Shri Ram Institute for Industrial Research, "A process for the preparation of alpha polyoxymethylene".
- 670/Del/87. Maghemite Inc., "Improved brushless D.C. Dynamoelectric machine".
- 671/Del/87. Telephone Cables Limited, "Optical Cables". (Convention date 7th August, 1986, U.K.).
- 672/Del/87. DR. Madans Gmbh & Co., "2, 3, 4, 5, 6, 7-Hexahydro-2, 7-methano-1, 5-benzoxazonines and -1, 4-benzoxazonines, processes for the preparation thereof and pharmaceutical compositions containing them".
- 673/Del/87. Union Carbide Corporation, "An improved process for the removal of acid gases from gas mixtures".
- 674/Del/87. Carl Gerald Fehder, "Indicator device".
- 675/Del/87. Enterprise Gagneraud Pere & Fils and Total (CIE FCE DES Petroles), "Compound cement, more particularly usable in bore holes".
- 676/Del/87. Esco Corporation, "Wire rope equalizer socket".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400013.

24-7-1987		
237/BOM/87	Hoschest India Ltd.	AminoacyloxyΔ ⁵ , 6-polyoxygenated labdanes and their use as medicaments.
238/BOM/87	Do.	Novel acyl labdane derivatives.
239/BOM/87	Dr. Shivaji H. Pawar & Others.	A nonaqueous solution growth method for the preparation of luminescent calcium sulphate single crystals.
27-7-1987		
240/BOM/87	Hindustan Lever Ltd. 28th July 1986, Gr. Britain.	Production of lactones.
241/BOM/87	Do. 30th July 1986, Gr. Britain	Treatment of karationous fibres.
242/BOM/87	Sunil Shriram Doshmukh & Others (C/o. M.K. Engineers).	Plastic keel, delta winged kite.
243/BOM/87	Sudhaben C.S. Patel.	Pilferproof and leakproof closure and container assembly in relation with both snap and screw thread type.
28-7-1987		
244/BOM/87	C.S. Batham	Drawing instrument
30-7-1987		
245/BOM/87	H.P. Kotian	Three dimensional digital optical storage device.
3-8-1987		
246/BOM/87	Honeywall Bull Inc.	Hardware demand fetch cycle system interface.
247/BOM/87	Do.	System management apparatus for a multi-processor system.
248/BOM/87	Thermax Pvt. Ltd.	Improvements in or relating to a fluidised bed heat exchanger powered by diesel engine exhaust.
249/BOM/87	S.V. Hardikar	Improvements in or relating to prosthetics artificial limbs.
250/BOM/87	Electronics Consumer durables Pvt. Ltd.	A twilight switch.
3-8-1987		
251/BOM/87	Thermax Pvt. Ltd.	Improvements in or relating to fluidised bed boilers.
252/BOM/87	Do.	Improvements in or relating to method and equipment for rice husk gasification.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600002

The 20th July, 1987

- 514/Mas/87. Rhoné-Poulenc Chimie. Process for the separation of amino acids.
- 515/Mas/87. Enichem Sintesi S.p.A. Tetrakis [3-(3, 5-DI-TERT, BUTYL-4-MYDROXYPHENYL) PRO-PIONYL-OXYMETHYL] METHANE WITH AMORPHOUS STRUCTURE, PROCESS FOR ITS PREPARATION AND ITS USE AS A STABILIZER.
- 516/Mas/87. Stamicarbon B.V., Process and device for drying solid, porous particles.
- 517/Mas/87. Hoechst Aktiengesellschaft. Process for reducing frictional forces in the production of cartridge tubes.

The 21st July, 1987

- 518/Mas/87. Firma Ernst Winter & Sohn (GmbH & Co.). Dressing tool for grinding wheels.
- 519/Mas/87. Firma Ernst Winter & Sohn (GmbH & Co.). Process for treating diamond grains.
- 520/Mas/87. Mobil Oil Corporation. Catalytic process for oligomerizing ethene.

The 22nd July, 1987

- 521/Mas/87. K. A. Ranghachary. Single Hand operated railway signal lamp.
- 522/Mas/87. British Steel Corporation. Improvements in or relating to joints for tubular members. (July 22, 1986; United Kingdom).
- 523/Mas/87. Robert George Stafford. Separation of mixtures in a wind tunnel. (August 1, 1986; Australia).

The 23rd July, 1987

- 524/Mas/87. Lucas Industries Public Limited Company. Pressure Cylinder Pipe Coupling. (July 25, 1986; Great Britain).
- 525/Mas/87. W. S. Insulators of India Limited. A compack for use in power line carriers for transmission and distribution net works.
- 526/Mas/87. The Plessey Company p.l.c. Telecommunication exchange equipment incorporating multi-party lines using integrated service digital network techniques. (July 31, 1986; United Kingdom).
- 527/Mas/87. ESMIL B.V. Apparatus for carrying out physical and/or chemical processes, more specifically a heat exchanger of the continuous type. (Divided out of Patent Application No. 518/Mas/84).
- 528/Mas/87. Westmed Pty. Ltd. Epicardial pacing lead.

The 24th July, 1987

- 529/Mas/87. Yelakanti Nagabushnam Mohan Rao. Paper board from afflicted sledge.
- 530/Mas/87. F. Willich Berg-und Bautechnik GmbH+Co. Organomineral foamed materials and process for their preparation.
- 531/Mas/87. Merlin Gerin Solid-state trip unit of an electrical circuit breaker with contact wear indicator.
- 532/Mas/87. Merlin Gerin. Self-monitoring digital solid-state trip release.
- 533/Mas/87. Kabushiki Kaisha, Hayashibara Seibutsu Kagaku Kenkyujo. Preparation and uses of interferogamma.

The 27th July, 1987

- 534/Mas/87. K. A. Ranghachary. Burglar alarm with SOS Transmission.

- 535/Mas/87. Henkel Kommanditgesellschaft auf Aktien. A process for cleaning and disinfecting endoscopes and preparations for carrying out this process.

The 28th July, 1987

- 536/Mas/87. Lindo Aktiengesellschaft. Process for oligomerization of olefins.
- 537/Mas/87. The Dow Chemical Company. Injectable reagents for molten metals.
- 538/Mas/87. Honda Giken Kogyo Kabushiki Kaisha. Motorcycle.
- 539/Mas/87. Mobil Oil Corporation. Liquid refinery sludge disposal during coking.

The 29th July, 1987

- 540/Mas/87. K. A. Ranghachary. Petrol collector, an air pollution preventer.
- 541/Mas/87. The South India Textile Research Association. Development of permanent antibacterial finishing technique for cellulosic and cellulosic blended materials.
- 542/Mas/87. The Occidental Research Corporation. Method of making inorganically crosslinked layered compounds.

- 543/Mas/87. Battelle Memorial Institute. Advanced anti-cancer therapy and cytotoxic medicaments for its implementation.

- 544/Mas/87. Robert Bosch GMBH. Improvements in or relating to electromagnetic switches, in particular for starting devices of internal combustion engines.

- 545/Mas/87. F. L. Smith & Co. A/s. Rapping mechanism for rapping the electrodes of an electrostatic precipitator.

The 30th July, 1987

- 546/Mas/87. Calgene, Inc. Acyl carrier protein—DNA sequence and synthesis.
- 547/Mas/87. Calgene, Inc. Seed specific transcriptional regulation.

The 31st July, 1987

- 548/Mas/87. K. Seshadri. An invention relating to a mechanism or device that uses the gravitational force of counter weights placed on a wheel to make it revolve continuously until some other force acting stops it, called G.R. Wheel.

- 549/Mas/87. The Boots Company PLC. Process for preparing arylcyclobutylalkylamine derivatives, (January 17, 1985, United Kingdom). [Divided out of Patent Application No. 1013/Mas/85].

- 550/Mas/87. The Boots Company PLC. Process for preparing arylcyclobutylalkylamine derivatives, (January 17, 1985, United Kingdom). [Divided out of Patent Application No. 1013/Mas/85].

- 551/Mas/87. Davy McKEE (London) Limited. Process (August 1, 1986; Great Britain).

- 552/Mas/87. Davy McKEE (London) Limited. Process (August 1, 1986; United Kingdom).

- 553/Mas/87. Davy McKEE (London) Limited. Process (August 1, 1986; Great Britain).

- 554/Mas/87. Jeen Cloup. Improvement to devices for the injection of an additive product metered into a main fluid.

The 3rd August 1987

- 555/Mas/87 Hyles, S. A DE C V. Method for producing hot sponge iron.
- 556/Mas/87 The British Petroleum Company p.l.c. Separation Process. (August 20, 1986; United Kingdom).
- 557/Mas/87 Shell Internationale Research Maatschappij B. V. Process for partial oxidation of a hydrocarbon-containing gel. (August 5, 1986; Great Britain).

The 4th August 1987

- 558/Mas/87 C. Saravanan Chand. Eliminating the external source of power.
- 559/Mas/87 AB Akerlund & Rausing. A folding box.
- 560/Mas/87 AB Akerlund & Rausing. A folding box.
- 561/Mas/87 AB Akerlund & Rausing. A folding box.
- 562/Mas/87 AB Akerlund & Rausing. A transport and storage container for packing blanks.
- 563/Mas/87 Sidney George Jackson. Photographic optical bench. (August 6, 1986; Great Britain).

The 5th August 1987

- 564/Mas/87 K. A. Ranghachary. Magnetic frame spectacle.
- 565/Mas/87 Shell Internationale Research Maatschappij B. V. Process and apparatus for heating steam formed from cooling water.
- 566/Mas/87. Institut Francais Du Petrol. A method and device for initializing data, and particularly seismic data, acquisition apparatus.
- 567/Mas/87 Brown & Williamson Tobacco Corporation. Cigarette Filter.
- 568/Mas/87. Maschinenfabrik Rieter AG. Package former support.

The 7th August 1987

- 569/Mas/87 Pradip Balwant Joshi. Multiple control programmable and rain sensing unit for electrical appliances.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that Office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 140-B_a

161068

Int. Cl. : C 10 m 11/00.

A PROCESS FOR RE-REFINING USED LUBRICATING OILS.

Applicant : BALMER LAWRIE & CO. LTD., AT 21, NETAJI SUBHAS ROAD, CALCUTTA-700001, WEST BENGAL, INDIA.

Inventors : 1. SUKUMAR MAHANTI, 2. SUSHIL KUMAR MUKHERJEE, 3. DR. JITENDRA BHATIA.

Application No. 313/Cal/84 filed May 9, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for re-refining used lubricating oils, such as, engine oils, hydraulic oils, compressor and other circulating oils, containing upto 25% sludge by weight, for re-use for the same purpose, comprising (a) treating used lubricating oil by adding thereto a flocculating agent consisting of a polyelectrolyte compound such as hereinbefore described at temperature between 50 and 250°C and at pressure between 10—760 mm of mercury under intense agitation; (b) separating in any known manner is flocculated neutral sludge from clear oil on completion of flocculation at the end of step (a); and then if desired (c) treating the separated clear oil with a known adsorbant followed by removal in a known manner the lighter fractions.

Compl. specn. 17 pages.

Drg. Nil

CLASS : 93; 182-C

161069

Int. Cl. : A 61 j 3/00; A 23 g 3/00.

APPARATUS FOR THE MANUFACTURE OF GLOBULES, GRANULES, SMALL BALLS OR THE LIKE FROM A MATERIAL, SUCH AS SUGAR.

Applicant : LABORATORIES BOIRON, OF 20 RUE DE LA LIBERATION, SAINTE FOY LES, LYON, (RHONE), FRANCE.

Inventors : 1. JACKY ABECASSIS, 2. BERNARD BAUME, 3. ANDRE MARCEL FAVIER.

Application No. 385/Cal/84 filed June 4, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An apparatus for manufacturing solid sugar products, such as granules, balls or the like, comprising :

- a rotary drum which comprises :
- at least one atomizer;
- a first duct for blowing dry air into the said drum;
- a second duct for removing moist air from the said drum;
- at least one microwave generator which emits electro-magnetic waves directed towards the mass of products being formed within the rotary drum;

wherein :

- the rotary drum also comprises supply means for milk sugar powder;
- the generator units are placed side by side along a rail directed along the rotary axis of the drum;
- a ramp moves along a rolling path, in order to introduce or to extract said ramp into or from the drum.

Compl. specn. 13 pages.

Drg. 4 sheets

CLASS : 175-H
Int. Cl. : F 16 j 9/00.

161070

SEAL ASSEMBLY.

Applicant : MICRODOT INC., OF 23 OLD KINGS HIGHWAY SOUTH, DARIEN, CONNECTICUT 06820, UNITED STATES OF AMERICA.

Inventor : 1. JAMES AMBRSE REPELLA.

Application No. 778/Cal/84 filed November 12, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A seal assembly for a grooved circular piston or the like comprising an annular seal element of relatively hard inelastic material, said seal element having undulating axially facing parallel edge portions to facilitate circumferential expansion thereof for assembly in said piston, said seal element having right circular cylindrical radially inner and outer faces for acceptance in said piston groove, and a pair of support elements having axially facing undulating edge portions complementary to the undulations of said seal element for assembly therewith in nesting relationship, said support elements having straight edge portions engageable with juxtaposed edges of the groove in said piston, said support elements being disposed on opposite sides of said seal element to stabilize said seal element against axial distortion in said piston groove.

Compl. specn. 7 pages.

Drg. 1 sheet

CLASS : 37-B
Int. Cl. : B 04 d 15/00.

161071

BEARING SEAL FOR A CENTRIFUGE.

Applicant : KRAUSS-MAFFEI AKTIENGESELLSCHAFT, OF KRAUSS-MAFFEI-STRASSE 2, 8000 MUNCHEN 50, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. ERHARD AUFDERHAAR, 2. ERNST GRUBL, 3. SEIGFRIED PEAFF.

Application No. 822/Cal/84 November 28, 1984.

Convention dated 10th November, 1984 (84 28474) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A bearing seal assembly between an internal space and a drive section of a centrifuge, comprising;

a drive shaft;

a protective bushing for the drive shaft;

a plurality of similar annular sealing elements collectively pressing and elastically surrounding the protective bushing and arranged in axial succession to each other from a first part of the protective bushing closest to the internal space of the centrifuge to a second part of the bushing which is closest to the drive section of the centrifuge;

a section of the protective bushing having a reduced diameter in the region of contact with sealing element closest to the internal space of the centrifuge; and

means for passing protective gas through said sealing element closest to the internal space of the centrifuge.

Compl. specn. 10 pages.

Drg. 3 sheets

CLASS : 65-I
Int. Cl. : H 02 p 9/00.

161072

STATIC VAR GENERATOR HAVING IMPROVED RESPONSE TIME.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. LASZLO GYUGYI.

Application No. 64/Cal/85 filed January 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A static VAR generator comprising a plurality of reactance means connected to anti-parallel thyristors for connection into an AC network, a VAR monitoring means connected to the A.C. network for monitoring its reactive requirements, a plurality of control means connected to the VAR monitoring means and each of said plurality of control means is connected to at least one of said plurality of reactance means for individually connecting a reactance means into the A.C. network in response to its reactive requirements, and each of said plurality of control means is comprised of a phase angle firing control for the anti-parallel thyristors having different firing intervals wherein the different firing intervals provide for progressively later connection of each of said plurality of reactance means into the A. C. network.

Compl. specn. 9 pages.

Drg. 3 sheets

CLASS : 98-G
Int. Cl. : B 21c 37/00.

161073

METHOD FOR MANUFACTURING HEAT TRANSFER ELEMENT SHEETS FOR A ROTARY REGENERATIVE HEAT EXCHANGER.

Applicant : THE AIR PREHEATER COMPANY, OF ANDOVER ROAD, WELLSVILLE, NEW YORK, UNITED STATES OF AMERICA.

Inventors : JOHN MITCHELL SCHOONOVER.

Application No. 184/Cal/85 filed March 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A method for manufacturing heat transfer element sheets from a continuous sheet of material being passed beneath cutting shears positioned along an assembly line for subsequent assembly within an element basket of a rotary regenerative heat exchanger comprising :

- (a) drawing a sheet of heat transfer element material from a source thereof;
- (b) forming a plurality of outwardly extending notches in said sheet of heat transfer element material, the notches being spaced apart at equal intervals along the length of said sheet;
- (c) shearing a leading edge on a first subsheet along a first line disposed transversely across said notched sheet;
- (d) detecting the location of a first notch in said notched sheet upstream of the cutting shears and determining the distance therefrom to the first line along which the leading edge was sheared on said first subsheet;
- (e) advancing said notched sheet a desired length and shearing a trailing edge on said first subsheet along a second line parallel to and spaced from said first line whereby said first subsheet is sheared to fit into the element basket;
- (f) detecting the location of a second notch in said notched sheet upstream of the cutting shears and determining the distance therefrom to the second line along which the trailing edge was sheared on said first subsheet;

- (g) calculating the difference in distances between the location of the first notch in said notched sheet detected in step (d) and the location of the second notch in said notched sheet detected in step (f);
- (h) comparing the difference in distances calculated in step (g.) to a preselected minimum tolerance therefor;
- (i) if the difference in distances calculated in step (g.) is at least equal to said preselected minimum tolerance, proceeding directly to step (k.);
- (j) if the difference in distances calculated in step (g.) is less than said preselected minimum tolerance, advancing said notched sheet an amount about equal to said preselected minimum tolerance and shearing a leading edge along a third line disposed transversely across said notched sheet prior to proceeding to steps (k.); and
- (k) repeating steps (d.) through (j.) in succession until the element basket is fully stacked with alternate juxtaposed subsheets.

Compl. specn. 17 pages.

Drg. 3 sheets

CLASS : 134 B

161074

Int. Cl. : B25b 27/00.

FLANGE YOKE FOR VEHICLE DRIVELINES.

Applicant : DANA CORPORATION 4500 DORR STREET P.O. BOX 1000, TOLPIDO, OHIO 43697, U.S.A.
Inventor : ROBERT GRADY JOYNER.

Application No. 894/Cal/83 filed July 18, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A flange yoke for vehicle drivelines, comprising :

an annular flange having front and back faces, and an axis of rotation;

two lugs extending axially from said front face and symmetrically positioned about said axis, each of said lugs having a radially outer surface, and each of said lugs defining a bearing cross hole extending therethrough transversely to said axis, said bearing cross holes being aligned; and

at least one balance hole in said back face, characterized in that said balance hole is positioned underneath one of said lugs and radially inwardly of said radially outer surface of said one lug.

Compl. specn. 9 pages.

Drg. 2 sheets

CLASS : 144-A

161075

Int. Cl. : C 23 c 13/00.

SUBSTRATE HOLDER APPARATUS.

Applicant : MULTARC VACUUM SYSTEMS INC., OF 261 EAST 5TH STREET, SAINT PAUL, MINNESOTA 55101, UNITED STATES OF AMERICA.

Inventor : 1. HENRY F. BPANDOLF.

Application No. 969 Cal/83 filed August 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

36 Claims

A substrate holder apparatus for rotatably supporting substrates within an evacuated electric arc physical vapor deposition chamber during coating processes, wherein the substrate

is biased at a voltage significantly different from that of the coating plasma particles, comprising :

(a) A base member configured and arranged for mounting in an electric arc physical vapor deposition chamber, said base member defining at least one work station thereon, said base member being configured to be centrally rotatably supported within said chamber;

(b) means for supporting said base member from a central position of said base member;

(c) means operatively connected with said base support means and located external of said chamber for moving said base member in a manner causing said work station to traverse a closed path within said chamber;

(d) bias means operatively connected with said base member—for providing an electrical bias voltage to said base member;

(e) a substrate holder suitable for holding at least one substrate to be coated, rotatably mounted to said base member at said work station for rotation about an auxiliary axis, said substrate holder being normally free to move about said auxiliary axis as said substrate holder traverses said closed path;

(f) bearing means operatively engaging said substrate holder for rotatably mounting said substrate holder on said base member and for electrically connecting said substrate holder to said electrical bias voltage;

(g) activating means electrically connected at the same bias voltage as said substrate holder, adjacent said closed path for engaging and rotating said substrate holder a predetermined number of degrees about said auxiliary axis as it passes in proximity to said activating means; whereby a substrate carried by said substrate holder is selectively rotated about said auxiliary axis as the substrate is carried along said closed path; and

(h) means for electrically isolating said base member and said activating means from said chamber.

Compl. specn. 46 pages.

Drg. 6 sheets

CLASS : 16-D

161076

Int. Cl. : G 10 k 11/10

DEFINED—COVERAGE LOUDSPEAKER HORN.

Applicant : JBL INCORPORATED, OF 8500 BAY ROAD BOULLEVARD, NORTHridge, CALIFORNIA 91329, UNITED STATES OF AMERICA.

Inventor : 1. D. BROADUS KEELE, JR.

Application No. 264/Cal/84 filed April 23, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A loudspeaker horn for directing sound from a driver to a target area having a plurality of target portions located different distances from the driver, comprising :

an elongated gap means for radiating a sound beam generated by the driver;

a first pair of opposed side walls which extend outwardly from the radiating gap means; and

a second pair of opposed side walls which extend outwardly from the radiating gap means and combine with the first-mentioned side walls to define a horn structure;

the first pair of side walls being constructed and arranged to direct a first portion of the beam toward a first portion of the target over a first preselected included angle and to direct at least one other portion of the beam toward another more remote portion of the target over a second different pre-selected included angle;

said first and second included angles being chosen so that each portion of the beam is substantially coextensive with one of said target portions at a location of incidence thereon.

Compl. specn. 24 pages.

Drg. 6 sheets

CLASS : 107-J

161077

Int. Cl. : F 02 d 39/00

AN ENGINE BRAKING SYSTEM.

Applicant : THE JACOBS MANUFACTURING COMPANY, AT 22 EAST DUDLEYTOWN ROAD, BLOOMFIELD, CONNECTICUT 06002, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT BRUCE PRICE, 2. STANISLAV JAKUBA.

Application No. 387/Cal/84 filed June 7, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An engine braking system of a gas compression release type including an internal combustion engine having intake valves and exhaust valves and pushpipes associated with each of said intake and exhaust valves, hydraulically actuated slave pistons for opening said exhaust valves at a predetermined time, a first plurality of master cylinder piston actuated by the pushpipes associated with said exhaust valves and hydraulically interconnected with said slave pistons, and a second plurality of master cylinder pistons actuated by the pushpipes associated with said intake pistons and said first master cylinder pistons.

Compl. specn. 22 pages.

Drg. 2 sheets

CLASS : 84-B

161078

Int. Cl. : C101 1/00.

PROCESS FOR MAKING AQUEOUS TRANSPORTABLE FUEL SLURRY FROM CARBONACEOUS MATERIALS.

Applicant : K-FUEL/KOPPELMAN PATENT LICENSING TRUST, 1873 SOUTH BELLAIR STREET, SUITE 905, DENVER, COLORADO, 80222, UNITED STATES OF AMERICA.

Inventors : 1. EDWARD KOPPELMAN, 2. ROBERT GORDON MURRAY.

Application No. 565/Cal/84 filed August 13, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for converting moist carbonaceous materials such as herein described into a useful aqueous fuel slurry comprising the steps of charging a moist carbonaceous feed material into an autoclave, heating the feed material to an elevated temperature of from 400 to 1200° F. and under superatmospheric pressure of from 300 to 3000 psi for a period of time sufficient to convert at least a portion of the moisture and the volatile organic constituents therein into a gaseous phase and to effect a partial thermal restructuring of the chemical structure and a change in the chemical composition of the feed material to produce a solid reaction product, comminuting the reaction product to a desired particle size, recovering at least a portion of the gaseous phase as a liquid condensate, admixing the liquid condensate with the comminuted solid reaction product to form an aqueous fuel slurry comprising the particulated solid reaction product dispersed in an aqueous solution containing combustible organic constituents dissolved and dispersed therein.

Compl. specn. 21 pages.

Drg. 1 sheet

2—267 GI/87

CLASS : 72-C & D

161079

Int. Cl. : F 23 m 11/04.

CHAMBER FOR TREATMENT OF MATERIALS BY EXPLOSION.

Applicant : SPETSIALNOE KONSTRUKTORSKOE BJURO GIDROIMPULSNOI TFKHNIKI SIBIRSKOGO OTDELENTA AKADEMII NAUK SSSR, OF NOVOSIBIRSK, ULITSA TERESHKOVOI, 29, USSR.

Inventors : 1. JURY GRIGORIEVICH KUZNETSOV, 2. VLADIMIR VASILIEVICH ADISCHEV, 3. OLEG IVANOVICH STOYANOVSKY, 4. ALEXANDR FEDOROVICH CHERENDIN, 5. ALEXANDR VASILIEVICH LEVOCHKIN, 6. LJUDMILA ANDREEVNA TALZI.

Application No. 637/Cal/84 dated September 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A chamber for working of materials by explosion comprising a housing (1) having a central part made in the form of concentric cylinders (2 and 3) fitted with a clearance (a), and bottoms (4 and 5), installed in one such as (4) of which is a working table (8), characterized in that the inner cylinder (3) of the housing (1) is mounted with a preset clearance (b) relative to end flanges (6 and 7) of the outer cylinder (2) and centred by the inner diameter relative to the outer cylinder (2) of the housing (1).

Compl. specn. 11 pages.

Drg. 1 sheet

CLASS : 25-A

161080

Int. Cl. : E 04 c 1/00.

A METHOD OF PRODUCING A SHAPED ARTICLE E.G., BRICKS, PANFLS AND LIKE MOULDED/EXTRUDED ARTICLES MADE FOR CONSTRUCTING BUILDINGS.

Applicant : UNISEARCH LIMITED, OF 221-227 ANZAC PARADE, KENSINGTON, NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA.

Inventors : 1. DAVID JOHN COOK, 2. NAM WOONG LIM.

Application No. 705/Cal/84 filed October 1, 1984.

Convention dated 30th September, 1983 (PG 1660) Australia.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method of producing a shaped article such as herein described comprising the steps of :

(a) mixing together from 20 to 80% of a reactive amorphous silicate material which has been pre-treated with an aqueous solution of iron salt; from 20% to 60% by weight of a filler containing a reactive polyvalent cation such as herein described; from 10 to 50% by weight of lime; and from 0 to 10% by weight of reinforcing fillers;

(b) adding water sufficient to dampen the mixture, and

(c) compressing the mixture and allowing it to cure.

Compl. specn. 23 pages.

Drg. Nil

CLASS : 127-D

161081

Int. Cl. : F 16 h 3/00.

KINEMATIC TRANSMISSION DEVICE FOR TEXTILE MACHINE.

Applicant & Inventor : MRS. AURORA CALATAYUD, ROSENDO ARUS, 44, BARCELONA, SPAIN.

Application No. 783/Cal/84 filed November 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A kinematic transmission device for textile machinery characterized essentially in that it comprises a giratory prime drive shaft carrying at one extremity a plate fitted with an adjustable radial mechanism designed to provide the articulation of a connecting rod, the lower end of which is attached, with the capability of angular rotation, to the arms of a forked component axially integral with a turnion, retained longitudinally, with the possibility of pivoting, in a lateral expansion of a body, supported by a horizontal shaft which is held at its extremities, the said body being integral with a toothed circular segment in the vertical plane and which engages with a pinion which in turn is associated with a toothed wheel designed to operate directly a component of a machine provided at its lower part with a ratchet, the adjustment of the stroke and velocity of the alternating movement of the said component being carried out by varying the speed of rotation of the prime drive shaft and the radius of attachment of the connecting rod to the plate which is integral with the said shaft.

Compl. specn. 5 pages.

Drg. 2 sheets

CLASS : 32-E

161082

Int. Cl. : C 08 f 47/00.

PROCESS OF SEPARATING POLYCARBONATE FROM ITS SOLUTION.

Applicant : NAUCHNO-ISSLEDOVATELSKY INSTITUT PLASTICHESKIKH MASS IMENI G. S. PETROVA NAUCHNO-PROIZVODSTVENNOGO OBIED INENIA "PLASTMASSY", OF MOSCOW, PEROVSKY PROEZZD, 35 USSR.

Inventors : 1. ALEXANDR VLADIMIROVICH BEREZOVSKY, 2. EVGENY FITIPPOVICH KOZHANOV, 3. NIKOLAI GRIGORIEVICH RADCHENKO, 4. GARRY ISAKOVICH FAIDEL, 5. EVGENY ALEXANDROVICH RYABOV, 6. VLADIMIR FGOROVICH GULEVSKY, 7. KONSTANTIN VENLAMINOVICH LIPETS, 8. IGOR NIKOLAEVICH VARNEK.

Application No. 826/Cal/84 filed November 30, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A process for separating polycarbonate from 8—12% solution of polycarbonate in a mixture of 50 to 60% methylene chloride and 30 to 40% chlorobenzene solutions, wherein evaporation of methylene chloride is carried out in a flow of an agitated thin layer of solution with a thickness of 0.3-3 mm at a temperature of 80—110° C to obtain a 15—30% polycarbonate solution, thereafter evaporation of chlorobenzene is carried out in a flow of an agitated thin layer of solution with a thickness of 0.3—3 mm at a pressure of 1.1—1.5 atom and a temperature of up to 300° C to obtain a 95—9999 polycarbonate concentration, this being followed by the removal of residual chlorobenzene under vacuum.

Compl. specn. 13 pages.

Drg. Nil

CLASS : 195-B

161083

Int. Cl. : F 16 k 15/00.

AN INLINE POPPET VALVE ASSEMBLY.

Applicant : ROSS OPERATING VALVE COMPANY, 120 EAST GOLDENGATE AVENUE, DETROIT, MICHIGAN 48208, UNITED STATES OF AMERICA.

Inventor : 1. DONALD JEROME WEST.

Application No. 83/Cal/85 filed February 7, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

An improved inline poppet valve assembly comprising a housing element supporting a first valve seating surface and a second valve seating surface, a pair of poppet valves having respective first and second sealing surfaces movable supported within said housing, said first poppet valve sealing surface being movable into and out of sealing engagement with said first valve seating surface and said second poppet valve sealing surface being movable into and out of sealing engagement with said second valve seating surface, and a actuating element for simultaneously moving and supporting said poppet valves between a first position in which said first valve seating surface is engaged by said first valve sealing surface and said second valve seating surface is spaced from said second valve seating surface and a second position wherein said first valve sealing surface is spaced from said first valve seating surface and said second valve sealing surface is engaged with said second valve seating surface, one of said second valve surfaces being movable relative to its respective supporting element in order to insure sealing engagement between said sealing surfaces and said valve seating surfaces whereby manufacturing tolerances with respect to the positioning of said valve surfaces may be accommodated, and means for a plying a force generated by a fluid pressure differential to the one of the second valve surfaces when said poppet valves are moving from a position in which the one second valve surface is engaged with its cooperating valve surface to a spaced apart position for urging said one second valve surface toward its cooperating valve surface.

Compl. specn. 21 pages.

Drg. 1 sheet

CLASS : 172-D₄ & F

161084

Int. Cl. : D 01 d 5/00, 9/00, 11/00.

A PROCESS FOR PREPARING FIBRES OF THERMOPLASTIC MATERIAL SUCH AS GLASS AND INSULATING PRODUCT FORMED FROM SAID FIBRES.

Applicant : ISOVER SAINT-GOBAIN, OF 18 AVENUE D'ALSACE, 92400 COURVEVOIE, FRANCE.

Inventors : 1. MARIE-PIERRE BARTHE, 2. FRANCOIS BOUQUET, 3. JEAN BATTIGELLI.

Application No. 346/Cal/83 filed March 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A process for preparing fibres of thermoplastic materials such as glass, wherein the material is brought into the attenuable state in a centrifugation means formed with orifices at its periphery, each said orifice having a predetermined material output g , the material is projected through said orifices from the centrifugation means in the form of filaments, having a predetermined micronaire fineness F , which are entrained and drawn by a stream of high-temperature gas, at a predetermined pressure p , flowing along the periphery of the centrifugation means transversely to the direction of projection of the filaments, characterised in that the peripheral speed v of the centrifugation means at the orifices from which the filaments emerge is at least 50 m/s.

Compl. specn. 40 pages.

Drg. 2 sheets

CLASS : 128-A

161085

Int. Cl. : A 61 f 13/18.

SUPERTHIN ABSORBENT PRODUCT.

Applicant : PERSONAL PRODUCTS COMPANY, OF VAN LIEW AVENUE, MILTOWN, NEW JERSEY 08850, UNITED STATES OF AMERICA.

Inventors : 1. HEINZ A. PIENIAK, 2. MICHAEL JAMES ISKRA.

Application No. 1288/Cal/83 filed October 20, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A disposable absorbent compressed composite laminate comprising a first layer, a second layer, and a transition zone integrally and intimately connecting said first and second layers and being substantially coextensive therewith, said first layer comprising a fibrous web having a dry bulk recovery of at least 30 percent, an initial dry bulk of at least about 20 cc/gm, and a weight less than about 2 oz/yd², and a plurality of particles or globules of superabsorbent material such as herein described disposed intermittently throughout said first layer, said particles or globules being present in at least 200 percent dry add-on basis, said second layer comprising substantially uniformly disposed, frictionally engaged hydrophilic particles selected from the group consisting of cellulosic fibres, peat moss, rayon fibres and mixtures thereof, said particles being sufficiently closely spaced to adjacent particles to promote rapid movement of liquid along the plane of said layer, and said transition zone comprising portions of said engaged particles extending into and becoming integral with said first layer with portions of said engaged particles in intimate contact with said superabsorbent material, said composite laminate being compressed to substantially reduce its thickness.

Compl. specn. 24 pages.

Drgs. 4 sheets

CLASS : 45-G₁

161086

Int. Cl. : A 47 b 1/00.

AN IMPROVED WATER-CLOSET SYSTEM.

Applicant : AKTIEBOLAGET GUSTAVESBERG, OF S-134 00 GUSTAVSBERG, SWEDEN.

Inventor : 1. LARS TEGLUND.

Application No. 179/Cal/85 dated March 11, 1985.

Convention dated 18th May, 1984. (84 12697) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An improved water-closet system which uses relatively small quantities of flush-water, comprising a flush-water metering vessel; a toilet basin which is connected to the metering vessel and also to a discharge conduit; and a siphoning means which is connected to one end of said discharge conduit wherein the flush-water metering vessel is located above the toilet basing and spaced therefrom; wherein a water seal in the form of a pipe of recumbent-S configuration extends between said toilet basing and said discharge conduit and forms a part of said basin and a part of said conduit; and wherein the siphoning system incorporates in the vicinity of the toilet basin a closed collecting basin so arranged that a total volume of released flush water of at most 3.5 litres affords a flow of water through the water seal and to the collecting basin of sufficient volume and duration to activate the siphoning means in a manner to empty the collecting basin.

Compl. specn. 12 pages.

Drgs. 2 sheets

CLASS : 50-D

161087

Int. Cl. : B 60 p 3/20.

IMPROVEMENTS IN OR RELATING TO REFRIGERANT SUCTION ACCUMULATOR, ESPECIALLY FOR TRANSPORT REFRIGERANT UNIT.

Applicant : THERMO KING CORPORATION, OF 314 WEST 90TH STREET, MINNEAPOLIS, MINNESOTA 55420, UNITED STATES OF AMERICA.

Inventor : 1. HERMAN HERMOGIO VIEGAS.

Application No. 322/Cal/85 filed April 27, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A refrigerant suction accumulator comprising a casing having a lower interior space which defines a liquid sump means for supplying heat at least to said liquid sump, inlet means for discharging refrigerant received from a refrigerant evaporator into said casing, and outlet means communicating with an upper interior space of the casing for receiving therefrom substantially vaporous refrigerant for delivery thereof to a refrigerant compressor, said casing containing partitioning means defining an upwardly open refrigerant receiving and liquid holding chamber which (a) is disposed to receive the refrigerant from said inlet means, (b) has its bottom at a level elevated relative to said liquid sump, and (c) includes drip port means located in the lower part of the chamber and sized to meter liquid therefrom into the liquid sump at a rate limiting liquid build-up in the sump and causing excess liquid from said inlet means to be temporarily held in said chamber during conditions of temporary liquid overfeed from the evaporator.

Compl. specn. 10 pages.

Drgs. 3 sheets

CLASS : 125-B₃

161088

Int. Cl. : G 01 f 11/38.

DISPENSER FOR DISPENSING FLUID MATERIAL.

Applicant : BUSINESS FORMS LIMITED, AT 1/2 DIGLA ROAD, CALCUTTA-700 028, WEST BENGAL, INDIA.

Inventor : 1. ARUN SUD.

Application No. 439/Cal/85 filed June 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A dispenser for dispensing fluid material in predetermined discrete quantities comprising at least one main fluid reservoir chamber having a removable plug at one end thereof and a dispensing nozzle at the other end thereof said dispensing nozzle comprising a dispensing chamber having a spring loaded pin located therein, one end of said pin extending through and protruding from an orifice in said nozzle, whereby a space is provided between the peripheral surface of said pin and the bore of said orifice when the protruding end of the pin is pressed axially in the direction of said dispensing chamber to permit fluid to pass between the surface of said pin and the bore of said orifice and whereby the peripheral surface of said pin sits flush with the bore of said orifice when the pin in its extended position protrudes externally of said orifice.

Compl. specn. 7 pages.

Drg. 1 sheet

CLASS : 47-C; 141-A

161089

Int. Cl. : B 30 b 1/00; C 10 b 45/02.

A RAMMING MACHINE TO PRODUCE COMPRESSED COALCAKES FOR COKING.

Applicant : SAARBERGWERKE AKTIESELSCHAFT, OF TRIERER STR. 1, D-6600 SAARBRUCKEN, WEST GERMANY.

Inventor : 1. GERHARD TURNER.

Application No. 520/Cal/85 filed July 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A ramming machine to produce compressed coal-cakes for coking provided with the ramming rod locking devices co-ordinated separate ramming rods which hold the ramming rods by a clamping part in the upper end position after the ramming operation and during the setting operation, wherein the clamping part is designed as the shaft (7) surrounded

eccentrically by the sleeve (8), at which a slipper (13, 14) is correspondingly designed in a slidable way and on the other side with a coordinated clamping spline (15, 16) and the latter with the web (3) of the ramming rod (2) on the other, whereby the clamping part is secured against unwanted clamping.

Compl. specn. 13 pages.

Drgs. 2 sheets

CLASS : 54

161090

Int. Cl. : A 23 f 3/02.

"ENZYMATIC METHOD FOR PRODUCTION OF INSTANT TEA".

Applicant : NOVO INDUSTRI A/s., A DANISH JOINT-STOCK COMPANY, OF NOVO ALLE, 2880 BAGSVAERD, DENMARK.

Inventor : BENT RIBER PETERSEN.

Application for Patent No. 324/Mas/84 filed on 2nd May 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Madras Branch.

5 Claims

Enzymatic method for production of instant tea, wherein the tea leaves in an aqueous medium before and/or during extraction of the tea leaves are treated with an SPS-ase preparation having a minimal initial concentration corresponding to an SPS-ase activity of 10^{-8} SPSU/g of tea leaves.

Compl. specn. 11 pages.

Drsg. Nil

CLASS : 87-B

161091

Int. Cl. : A 63 b 37/00.

A BALL AND THE METHOD OF MANUFACTURE THEREOF.

Applicant : ALFRED READER & COMPANY LIMITED, OF INVICTA WORKS, TESTON, MAIDSTONE, KENT ME 18, 5 AW, ENGLAND, A BRITISH COMPANY.

Inventors : (1) JOHN VILLIERS READER, (2) PETER GLYN WOOD.

Application No. 402/Mas/84 filed June 1, 1984.

Convention date : October 12, 1983 (No. 8327234; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Madras Branch.

24 Claims

A ball comprising a cover formed at least two cover-forming pieces surrounding a solid interior formed from a synthetic resin which acts as an adhesive to hold said pieces together having a fibre-reinforcement.

Compl. specn. 11 pages.

Drsg. 1 sheet

CLASS : 97 A & B

161092

Int. Cl. : H 05 b 7/00.

"BOTTOM-ELECTRODE ARRANGEMENT FOR A DIRECT-CURRENT ARC FURNACE".

Applicant : BBC BROWN, BOVERI & COMPANY LIMITED, OF CH 5401, BADEN, SWITZERLAND, A SWISS COMPANY.

Inventor : KARL BUHLER.

Application for Patent No. 520/Mas/84 filed on 18th July 1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Madras Branch.

8 Claims

An electric furnace, particularly direct-current arc furnace for melting metals, having an exchangeable bottom electrode, characterised in that the bottom electrode or the bottom electrode and a moulded body of refractory material, completing the electrode to form one unit, has across section which extends in the direction of the furnace vessel interior or at the most remains the same and that the bottom electrode is removable in the direction of the furnace vessel interior.

Compl. specn. 14 pages.

Drgs. 3 sheets

CLASS : 140 B₁

161093

Int. Cl. : C 10 g 37/00, 39/00.

"PROCESS FOR PRODUCING A LUBRICANT BASESTOCK".

Applicant : MOBIL OIL CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF 150 EAST 42ND STREET, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors 1. JEFFREY HSING—GAN YEN, 2. ARTHUR WARREN CHESTER, 3. WILLIAM EBERETT GARWOOD.

Application for Patent No. 546/Mas/84 filed on 26th July, 84.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) The Patent Office, Madras Branch.

9 Claims

Process for producing a lubricant basestock with a reduced tendency to form a haze after standing overnight at subambient temperatures, which comprises contacting a waxy hydrocarbon fraction boiling from 232°C (450°F) to 566°C (1050°F) and hydrogen for dewaxing at a temperature of from 260°C (500°F) to 371°C (700°F) and a pressure of from 791 to 20,786 kPa (100 to 3000 psig) at a liquid hourly space velocity of from 0.1 to 10, with a catalyst comprising ZSM-5 crystalline aluminosilicate zeolite having contained thereon an active noble metal hydrogenation component present as a noble metal dispersion in an amount of at least 0.50 and recovering a dewaxed oil product.

Compl. specn. 25 pages.

Drgs. 3 sheets

CLASS : 5A, 160 D

161094

Int. Cl. : B 62 d-51.04, 55/00.

A SINGLE CHAIN TRACK CRAWLER TRACTOR HAVING A PAIR OF TANDEM CHASSIS FOR USE IN AGRICULTURAL OPERATIONS.

Applicant & Inventor : TUKARAM KUNDLIK DHONDE, AN INDIAN CITIZEN, PLOT NO. 26, SECTOR 24, GANGANAGAR, NIGDI, POONA-411 004, MAHARASHTRA, INDIA.

Application No. 33/Bom/1987 filed on 5th February, 1987.

Divisional to Application No. 132/BOM/1984 dated 3-5-1984.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Bombay-13.

3 Claims

A single chain track crawler tractor having a pair of tandem chassis for use in agricultural operations comprises of two tractors chassis frames in tandem, front of said chassis frame is steerable and is mounted on a swivel provided on front extension bracket of rear fixed chassis frame having a prime mover provided with gear box and power take-off shaft a steering rod fitted to a steering gear box on front chassis at one end and extending rearwardly from said rear chassis and fitted with a steering wheel at the other end for steering said steerable front chassis, a pair of single chain track wheels

tandem mounted on each of the said front and rear chassis frames, each pair being linked by endless crawler chain track forming self-supporting means for the crawler track; said front single chain track wheels on respective chassis having fixed sprocket wheels respectively linked to sprocket wheels on power take-off shaft driven by a prime mover through respective roller chain drives and forming driving wheels therefor and the rear chain track wheels on respective front and rear chassis forming driven wheels, the said rear fixed chassis is provided with a water tank connected to a pump driven by V. belt linked to respective V-pulleys on said pump and said power take-off shaft, a pair of handle bars extending rearwardly from said fixed chassis and a rearwardly extending draw bar at lower end of said rear fixed chassis, said draw bar having means for attaching thereto agricultural implements or a trailer in the usual manner.

Compl. specn. 7 pages.

Drg. 1 sheet

CLASS : 154 B Gr [XXXVII(1)]

161095

Int. Cl. : B 41f—1/00, 19/00.

IMPROVED FOIL STAMPING ATTACHMENT FOR PLATEN TYPE PRINTING MACHINE.

Applicant & Inventor : SAKHARAM SADASHIV PUROHIT, PROP. S. S. & CO., 1283 B, MANGALWAR PETH MIRAJKAR WADA, KOLHAPUR 416 002, MAHARASHTRA, INDIA.

Application No. 212/Bom/1984 filed August 1, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

The foil stamping attachment for platen type printing machine comprising modular construction in which there is provided a horizontal roller for foil stock, characterised in that the said roller can be positioned as per requirement and without any restriction of its particular position, the width of foil could be 100 mm and above and length 120 to 150 metres, the said foil passes through and between a set of feeding rollers, another rubber roller onwards to a revolving bar, positioned at upper side of the hot plate heated by electric coil in conventional manner which plate is meant for heating the block with the help of electric coil, the said foil passing over another revolving bar below the said hot plate, and then again over another revolving bar and onwards over supporting revolving bars suitably positioned over the rubber rollers, and onwards over a roller to rewind over another roller, there is provided a lever called stroke bar which is attached to the said module and the other end of which is connected to the chase, such that with every impression, the stroke bar advances the mechanism to accomplish further pull of the foil, the said modular assembly is further supported on two pillars which can be attached to the existing platen type of printing machines.

Compl. specn. 6 sheets.

Drg. 2 sheets

CLASS : 129 Q

161096

Int. Cl. : B 23K—9/30.

A WELDING ELECTRODE HOLDER.

Applicant & Inventor : NIRMAL PANNALAL, C/O PANNALAL METAL INDUSTRIES BADORA, BETUL (M.P.) 460 002, INDIA.

Application No. 215/Bom/1984 filed on August 2, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

An electric welding electrode holder comprising an elongate housing, or shell made in two halves, a conductor supported within said housing halves, a slot formed by the front ends of said housing halves or half shells and the conductor for the insertion of an electrode, a spring loaded displaceable plunger supported in the said housing and having a front end which can be pushed into said slot, and a cam lever

for actuating said plunger for clamping the electrode within said slot.

Compl. specn. 12 pages.

Drg. 3 sheets

CLASS : 104G [XII(1)]

161097

Int. Cl. : C08C—1/02, 4/00.

A PROCESS FOR EXTRACTION OF RUBBER FROM PARTHENIUM ARGENTATUM PLANTS.

Applicant & Inventors : GUJARAT ENERGY DEVELOPMENT AGENCY ANAND SARABHAI AND SURESH PATEL, BOTH INDIAN NATIONALS OF THE RETREAT, 'SHAHIBAG', AHMEDABAD-380 004, INDIA.

Application No. 262/Bom/1984 filed on September 21, 1984.

Complete after provisional left on October 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims

A process for the extraction of latex from a parthenium argentatum plant which comprises in subjecting the chopped pieces of the plant to the step of anaerobic digestion so as to cause a biodegradation of cellulose to thereby loosen the bond between latex, resin and cellulose, filtering the spent slurry, adding sodium hydroxide solution to the residue to form a liquor and allowing the liquor to remain for a period sufficient for causing a separation of lignin and resin from latex and, thereafter, extracting latex from said mixture.

Prov. specn. 6 pages.

Drg. Nil

Compl. specn. 11 pages.

Drg. Nil

CLASS : 160 A + C

161098

Int. Cl. : B 60p—1/00, 9/00.

A MULTI-PURPOSE TRUCK BODY FOR TRANSPORTING VEHICLES AND THE LIKE.

Applicant & Inventor : KUMAR SHRIRAM GADEKAR, AN INDIAN CITIZEN, 1187/65 JANGLI MAHARAJ ROAD, PUNE-411 005, MAHARASHTRA, INDIA.

Application number : 292/Bom/84 filed on October 20, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims

A multi-purpose truck body for transporting vehicles such as 'Maruti' type mini cars/scooters/3-wheeler auto-rikshas/pick-up/delivery vans or the like vehicles or combinations thereof comprises of a forward control cabin for driver on truck chassis having rigid framework with side panels of prescribed dimensions, each of said side panels having plurality or vertically extending spaced slots aligned with each other for slidably receiving therebetween easily mountable transverse partition panels, each having buffers on both sides to prevent damage to vehicles loaded on said truck during transportation, said chassis having a rigid bottom deck and first and second collapsible decks hingeably provided on said side panels on rigid framework and a rigid over-hanging framework provided on top of said drivers cabin forming a rigid deck aligned with said second collapsible deck for loading thereon vehicles and/or other goods, a plurality of detachably mounted easily fixable pillars adapted to get seated within corresponding seats provided therefor on respective rigid bottom deck and collapsible first and second decks at pre-determined spacing according to the size of vehicle/s to be loaded/transported, said bottom deck having a row of seats on its top surface, said first collapsible deck having a row of seats on its bottom surface for fixing thereto respective pillars forming supports therefor, each of said decks being further provided with plurality rows of rectangular slots and tie bars therebehind spaced according to the gap between rear and front wheels of respective vehicle/s forming a row of vehicles loaded thereon, each of

said slots being fitted with detachably fixable wheel support troughs and anchoring means for anchoring respective vehicle wheels to respective tie bar therebehind to prevent vehicle/s from shifting from anchored position during transportation.

CLASS : 170B + D

161099

Int. Cl. : C11d—3/02.

DETERGENT COMPOSITIONS.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : ANTHONY HENRY CLEMENTS.

Application No. 326/Bom/1984 filed on 23rd November, 1984.

U.K. Convention priority date 23-11-1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

Fabric washing detergent composition, especially but not exclusively designed for washing mixed coloured fabrics, comprising :

- (i) from 0.5 to 25% by weight of a peracid compound selected from the group of organic peracids, peracid salts and peracid precursors which generate peracids by hydrolysis.
- (ii) from 0.002% to 2.5% by weight of copper in the absence or substantial absence of a powerful sequestrant which complexes strongly with copper.
- (iii) optionally one or more of the following ingredients :
 - (a) a hydrogen peroxide adduct in a molar ratio of peracid compound : hydrogen peroxide adduct of from 100 : 1 to 1 : 2, when the peracid compound is selected from organic peracids and peracid salts;
 - (b) from 5-50% by weight of a surfactant; and
 - (c) from 5-70% by weight of a detergency builder.

Compl. specn. 25 pages

Drg. 1 sheet

CLASS : 39G (III)

161100

Int. Cl. : C01f—7/50.

A PROCESS FOR THE MANUFACTURE OF ALUMINIUM FLUORIDE FROM AMMONIUM FLUORIDE.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) AYODHYA NATH BHAT, (2) RAJESH KUMAR LAL, (3) JAGANNATH HIRACHAND GUJARATHI AND (4) PRABUDDHA GANGULI.

Application No. 329/Bom/1984 filed on 28th Nov., 1984.

Complete after provisional left on 29th January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Branch, Bombay-13.

8 Claims

A process for the manufacture of aluminium fluoride from ammonium fluoride obtained by desilication of fluoro-silicic acid which comprises reacting ammonium fluoride solution with alumina or alumina trihydrate at temperatures in the region of 60—120°C at a PH of 3 to 8, said solution of ammonium fluoride having a concentration of 8—14% weight

by volume, and wherein the said reactants are in stoichiometric quantities whereafter the fluoro aluminium complex of Ammonia together with hydrate of alumina thus formed is separated from the reaction liquor in the known manner and then subjected to calcination in a fluidized bed at temperature of 200°C—400°C.

Prov. specn. 6 pages

Drg. Nil

Compl. specn. 10 pages.

Drg. Nil

CLASS : 67 C

161101

Int. Cl. : G 08 C 25/00.

SHORT-CIRCUIT DISTANCE. RELAY.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, A JAPANESE COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF JAPAN, 2-3, MARUNOUCHI 2 CHOME, CHIYODA-KU, TOKYO-100, JAPAN.

Inventor : GENZABURUO KOTANI.

Application No. 338/BOM/1984 filed December 4, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

4 Claims

In a short-circuit distance relay for protecting a single-channel power transmission system with power supplies installed at two ends thereof, the improvement comprising : deriving means consist of first and second arithmetic circuits for respectively deriving a positive phase voltage and a positive-phase current at the location of said relay in a normal state of said system, and further third, fourth and fifth arithmetic circuits for respectively deriving a positive-phase voltage, a negative-phase current at the location of said relay in a faulty state of said system; means for integrating a plurality of impedance computing elements on the basis of the outputs of said deriving means; and means for calculating the impedance up to the fault point from the output of said integrating means.

Compl. specn. 18 pages.

Drgs. 3 sheets

CLASS : 129G

161102

Int. Cl. : B21d—28/16.

DEBURRING TOOL.

Applicant : MR. MUKUND VISHWANATH NAGARKAR, 1073, SAHAKAR NAGAR PADMAVATI, PUNE-411 009, MAHARASHTRA, INDIA.

411 009 MAHARASHTRA, INDIA. 2. MR. VILAS VASUDEO MUNGJI, 92, RAVIWAR PETH, PHADKE HOUD, PUNE-411 002, MAHARASHTRA, INDIA. 3. MRS. SUNANDA KAMLAKAR VAIDYA, 15D 'ANAND' ANIKET SOCIETY, BIBWEWADI, PUNE-411 037, MAHARASHTRA, INDIA.

Inventor : MUKUND VISHWANATH NAGARKAR.

Application No. 347/Bom/1984 filed on December 20, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

4 Claims

A de-burring tool comprising of a shank at one end, a pilot at the other end, a body in the middle; through axial slot provided at the pilot end being extended into the body and two pairs of oppositely facing cutting edges formed at the outer periphery of the body near the pilot end.

Comp. specn. 7 pages.

Drg. 3 sheets

CLASS : 40 B IV(1) 161103
Int. Cl. : B 01 j 11/00.

PROCESS FOR PREPARING A TRANSITION METAL-SILICATE CATALYST.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) CORNELIS MARTINUS LOK, (2) KESHAB LAI GANGULI.

Application No. 352/Bom/1984, filed on 20th December 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

15 Claims

A process for the preparation of a transition metal-silicate catalyst in which the insoluble, basic compound of a transition metal having an atomic number between 26 and 30 is precipitated with an alkaline precipitation agent such as hereinbefore described from an aqueous solution of such a metal salt, as a suspension, which precipitate is allowed to mature in suspended form and is subsequently separated, dried and reduced, characterized in that, after the transition metal ions have been practically completely precipitated, soluble silicate such as herein described is added.

Compl. specn. 23 pages.

Drg. Nil

CLASS : 32 F_{1a} IX(1) 189 L VI 161104
Int. Cl. : C 07 C 15/22, C 07 C 45/02, 45/14.

IMPROVEMENTS IN OR RELATING TO PROCESS FOR THE PREPARATION OF ACETYLINDANS.

Applicant : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT 1913, AND HAVING ITS REGISTERED OFFICE AT HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : SURENDRA UMESH KULKARNI.

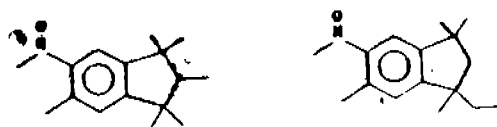
Application No. 356/Bom/1984 dated December 22, 1984.

Complete after provisional left December 3, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

6 Claims

An improved process for the preparation of the isomeric mixture of acetylindans of the formulae I and II



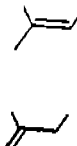
said process comprising the following steps in sequence :

- (i) reacting t-amyl alcohol (2-methyl-2-butanol) of the formula III



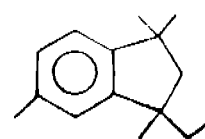
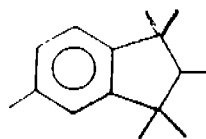
with an organic acid catalyst such as herein described in the presence of an inert organic solvent such as herein described at a temperature between 80°C to 140°C and separating the

resulting isomeric mixture of amylenes of the formulae IV and V



from the reaction mixture azeotropically;

- (ii) reacting the isomeric mixture of amylenes of the formulae IV and V with p-cymene in the presence of aluminium chloride at a temperature between 0°C–5°C, separating the supernatant from the reaction mixture, washing the supernatant with water till neutral and subjecting the washed supernatant to fractional distillation to obtain the isomeric mixture of indans namely 1, 1, 2, 3, 3, 5-hexamethylindan and 1, 1, 3, 5-tetramethyl-3-ethylindan of the formulae VI and VII



respectively.

- (iii) reacting the isomeric mixture of indans of the formulae VI and VII with acetyl chloride in the presence of aluminium chloride in a chlorinated organic solvent such as herein described at a temperature between 15°C to 20°C to obtain an isomeric mixture of the acetylindans of the formulae I and II in the form of an adduct (precipitate) with aluminium chloride which is sparingly soluble in the chlorinated organic solvent or in nitrobenzene;

- (iv) and recovering the isomeric mixture of the acetylindans of the formulae I and II from the reaction mixture of step (iii).

Provisional specn. 9 pages.

Drg. 1 sheet

Compl. specn. 13 pages.

Drg. Nil

CLASS : 48 D1 161105
Int. Cl. : HO 1B—17/00, HO 2g—7/04.

Title : AN IMPROVED INSULATOR FOR USE IN OVERHEAD POWER TRANSMISSION LINES.

Applicant & Inventor : PURAN RATILAL MEHTA, PROPRIETOR, M/S. POWER LINE PRODUCTS COMPANY, BAL RAJESHWAR ROAD, NEXT TO GANESH FOUR MILLS, MULUND, BOMBAY-400 080, MAHARASHTRA, INDIA.

Application No. 359/Bom/1984, filed on 28th December, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

2 Claims

An improved insulator for use in overhead power transmission lines comprising of electrical porcelain body, preferably of cylindrical or of other varying configurations, having a solid core with two through holes in its body at predetermined positions and at predetermined angles and orientation having longer puncture path between the said holes, and the said insulator being a single entity and having projections, depressions or recesses on the periphery resulting in longer dry arcing distance and creepage distance for improved electromechanical characteristics and the said insulator being

held to be constantly under compressive loading when installed with wire grips applied lengthwise and contiguous to the solid core and passing in opposed directions through the said holes independently for holding a transmission line conductor under tension at one end and fastening onto a connecting terminal for attachment to the cross-arms of a transmission tower at the other end.

Compl. specn. 8 pages.

Drg. 2 sheets

CLASS : 48D1 + D4

161106

Int. Cl. : H01b—3/00, 17/00.

AN IMPROVED HARDWARE FITTING SYSTEM USING THE IMPROVED INSULATOR.

Applicant & Inventor : PURAN RATILAL MEHTA, INDIAN NATIONAL PROPRIETOR, M/s. POWER LINE PRODUCTS COMPANY BAL RAJESHWAR ROAD, NEXT TO GANESH FLOUR MILLS, MULUND, BOMBAY-400080.

Application No. 360/Bom/1984 filed on December 28, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

4 Claims

An improved hardware fitting system using the improved insulator as described in my Co-pending Indian Patent application No. 359/Bom/1984, for termination of overhead power transmission lines comprising of a first set of tempered and formed wire grip one end of which directly wrapping around the transmission line conductor and the other end passing through one of the holes of the said improved insulator and again wrapping around the said transmission line conductor; a second set of tempered and formed wire grip, one end of which is first wrapped around the connecting terminal and the other end passing through the other hole in the said improved insulator and again wrapping around the connecting terminal which is then held in position at the cross-arms of a transmission tower by suitable fasteners.

Compl. specn. 9 pages.

Drg. 1 sheet

CLASS : 87 A + E

161107

Int. Cl. : A 63 f—9/12.

AN IMPROVEMENT IN THE CUBE SHAPED PUZZLE.

Applicant & Inventor : RAVI KUCHIMANCHI, AN INDIAN CITIZEN RESIDING AT 9A, NANDADEVI, ANUSHAKTI NAGAR, BOMBAY-400 094. MADHUKAR NARAYAN THAKUR, ALSO AN INDIAN CITIZEN RESIDING AT 5, UDAYGIRI CO-OPERATIVE HOUSING SOCIETY, DEONAR, BOMBAY-400 088, MAHARASHTRA, INDIA.

Application No. 361/Bom/1984 filed on December 29, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

7 Claims

An improved nuzzle cube comprising a triaxis with spindle, a plurality of sliders and a plurality of cubelets, each of the said cubelets being provided with T-slots which forms a channel network, for sliding therein the said sliders, when the said cubelets are assembled on the said triaxis, arrangement being such that the said cubelets with sliders forming slide of cube are rotatable as well as the said sliders are slidable from the region to another region on the faces of the said cube.

Compl. specn. 24 pages.

Drg. 13 sheets

CLASS : 162

161108

Int. Cl. : DO 7 B—1/04 & 1/06, DO 2 J—1/12.

AN IMPROVED METHOD OF MANUFACTURING PRE-LUBRICATED FIBRE CORE OF STEEL WIRE ROPES.

Applicant & Inventor : SIDDARTH JHAWAR, AN INDIAN CITIZEN AND ANURAG JHAWAR, AN INDIAN CITIZEN, BOTH RESIDING AT C/O MR. S. C. TAPURIAH, FLAT NO. 4A, II PALAZO, LITTLE GIBBS ROAD, BOMBAY-400 026, MAHARASHTRA, INDIA.

Application No. 9/Bom/85 filed on January 9, 1985.

Complete after provisional left on April 8, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

2 Claims

An improved method of manufacturing pre-lubricated fibre core of steel wire ropes comprising the steps of passing central fibre/yarn strands form a yarn spool through a dip tank containing lubricant and passing the lubricated yarn strands through a feed plate of a stranding machine having a twisting die wherein 5% to 10% of the cross-section of fibre core comprises of said lubricated fibre/yarn strands and the balance of the cross-section of fibre core comprises of dry fibre/yarn strands, and wherein as the non-lubricated dry fibre/yarn strands get twisted and passed through said twisting die in said stranding machine along with lubricated central fibre/yarn strands the dry fibre/yarn strands forming the outer periphery around said lubricated fibre/yarn strands get lubricated by capillary action and the absorption of lubricant into said cross-section of fibre core is thus uniform and all the excess lubricant so absorbed by the lubricated fibre/yarn strands oozes out on said feed plate and the lubricant so collected is recycled into said dip tank.

Compl. specn. 8 pages.

Drg. Nil

Prov. specn. 6 pages.

Drg. Nil

CLASS : 32F 3a+170D

161109

Int. Cl. : CO 7b—13/02, CO 7c—143/90, C 11d—1/28.

A METHOD OF MANUFACTURING FATTY ACID (C8—C22) ESTER (C₁-C₁) SULPHONATES.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : DAVID WILLIAM ROBERTS.

Application No. 25/Bom/85 filed on 28th January, 1985.

U.K. Convention priority date 30-1-1984.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 1972) PATENT OFFICE BRANCH, BOMBAY-400 013.

5 Claims

A method of manufacturing fatty acid (C8-C22) ester C₁-C₁ sulphonates wherein :

- (i) Fatty acid esters are sulphonated with a sulphur trioxide/inert gas mixture in a molar ratio in the range from 1 : 1 to 2 : 5 : 1 SO₃/ester in the temperature range 0°C—150°C,
 - (ii) the initial reaction mixture so produced is subjected to an ageing step during which the sulphonation of the fatty acid ester to alpha-sulphonated material proceeds substantially to completion and,
 - (iii) the resulting sulphonic acid is subsequently neutralised,
- characterised in that short chain (C₁-C₄) alcohol is added to the sulphonic acid mixture in the absence of a bleaching species, in an amount of at least 25 mole % of the sulphur trioxide used in excess of 1 : 1 SO₃:ester stoichiometry at a point not before the end of the ageing step.

Compl. specn. 11 pages.

Drg. Nil

CLASS : 89, 105 B & C

161110

Int. Cl. : F16m—11/00, 11/04, 11/14, G01d—13/02.

HYDRAULICALLY OPERATED FLEXIBLE STAND WITH MAGNETIC BASE FOR HOLDING DIAL GAUGE OR THE LIKE.

Applicant & Inventor : GIRIDHARI BALRAM RADHA-KRISHNANI, AN INDIAN NATIONAL, 24B, SAGAR SANGEET, 58, COLABA ROAD, BOMBAY-400 005.

Application No. 102/Bom/1985 filed on 17th April, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A hydraulically operated flexible stand with magnetic base for holding dial gauge or the like comprising a magnetic base block housing the magnet in known manner characterised by that the said flexible stand consisting of two tubular arm links, a lower arm link and an upper arm link, each having capillary axial passage for the flow of oil as the hydraulic media, one end of each link being connected and in communication with a common hydraulic operation unit and the other end of each link is attached to a ball socket in leak proof manner, the said ball socket housing a piston and an adjoining ball end of a ball stud, with one face of the piston being cup shaped to press against the ball of the said ball stud, the said hydraulic operation unit consisting of a hydraulic cylinder containing oil and the said cylinder communicating with the capillary axial passages of the said arm links, a main piston mounted in the neck portion of the said hydraulic cylinder to compress the oil, the said main piston being operated by a grip nut screwed on the neck of the hydraulic cylinder to press the main piston thereby compressing the oil contained in the hydraulic chamber of the said hydraulic cylinder and also in the capillary axial passages of both the arm links and in both the ball sockets pressing the pistons situated therein against the balls of the ball studs resulting firm fixation of all the joints of the flexible stand; the dial gauge being held at the free end of the upper link ball stud by means of a known clamping device.

Compl. specn. 9 pages.

Drg. 2 sheets

CLASS : 170 B -D

Int. Cl. : C11d—1/66, 3/00.

PARTICULATE BUILT DETERGENT COMPOSITIONS.

Applicants : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : ANDREW TIMOTHY HIGHT.

Application No. 145/Bom/1985, filed on 7th June, 1985.

U.K. Convention date 15th June, 1984 (8415302).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

24 Claims

A particulate built detergent composition comprising :

- (i) from 5 to 50% by weight of at least one nonionic detergent active compound;
- (ii) from 15 to 90% by weight of a saturated fatty acid salt containing at least 16 carbon atoms, or mixtures thereof as a builder; and
- (iii) from 5 to 80% by weight of a carrier material chosen from water insoluble inorganic materials, water soluble inorganic materials, water-soluble organic materials or mixture thereof.

Compl. specn. 27 pages..

Drg. Nil

3—267GI/87

CLASS : 49A + E

161112

Int. Cl. : A21C—11/00.

A DEVICE FOR MAKING PURI, CHAPATI AND THE LIKE.

Applicant & Inventor : (1) BASTIMAL JAIN (2) RAMESH KUMAR JAIN, C/o JAWAHAR TALKIES, DR. RAJENDRA PRASAD ROAD, MULUND (WEST) BOMBAY-400 080, MAHARASHTRA, INDIA.

Application No. 211/Bom/1985 filed on 8th August, 1985.

Complete after Prov. left on 30th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A device for making 'Puri', 'Chapati' or the like comprising two flat plates hinged and adopted to lie one above the other, a handle hingedly engaged to an integral lug of the upper plate by a pin joint at a location just opposite the hinged joint of upper and lower plates, a slotted projection of suitable height closed from top is provided on the lower plate at a location just opposite the hinged joint of upper and lower plates, the arrangement being such that when handle is lifted, the hinged end of the said handle rotates around the pin joint of the said handle and the lug of the upper plate and moves out of the said slotted projection, the upper plate is lifted away from the lower plate to permit a piece of dough to be inserted and when the handle is lowered, the upper plate lie back on the lower plate to flatten the piece of dough in a round and flat 'Puri' or 'Chapati'.

Prov. specn. 2 pages.

Drg. Nil

Comp. specn. 8 pages.

Drg. 3 sheets

CLASS : 128-G & K

161113

Int. Cl. : A61b 17/00, 17/12.

A REPEATING MEDICAL INSTRUMENT FOR APPLYING A PLURALITY OF LIGATING CLIPS SEPIATIM ABOUT TISSUE

Applicant : ETHICON INC., IN SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : KONSTANTIN IVANOV.

Application No. 174/Cal/83 filed February 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A repeating medical instrument for applying a plurality of ligating clips seriatim about tissue wherein each said clip is initially provided in an open state, each said open clip comprising first and second legs joined at their proximal ends by a resilient hinge and being spaced apart at their distal ends with said legs having latch means at said distal ends for holding said clip closed in clamping engagement about said tissue when said legs are squeezed together, said instrument comprising :

a frame;

first and second jaws mounted to said frame in confronting relationship for movement away from each other into an open position to receive one of said clips and toward each other into a closed position for closing and latching said one clip;

jaw biasing means for biasing said jaws outwardly away from each other and into said open position;

a pair of actuating members pivotally mounted to said frame, each said actuating member having a forward distal end portion adapted to engage one of said jaws and having a rear portion extending outwardly away from said one jaw;

first and second handles mounted to said frame for pivotal movement, each of said first and second handles including an engaging portion extending beyond its pivot axis and adapted to engage said rear portion of one of said actuating members hereby, when said first and second handles are moved toward each other, said engaging portions of each of said first and second handles move outwardly to engage said rear portions of said actuating members to force said forward distal end portions of said actuating members against said first and second jaws to move said jaws toward each other from said open position into said closed position;

a magazine and means for releasably mounting said magazine on said frame for rotation relative to said frame, said magazine denning a plurality of clip storage regions arranged in a generally circular array, each said clip storage region denning an inner access opening at an inner radius of said circular array and an outer access opening at an outer radius of said array, each said clip storage region being adapted to hold one of said clip storage region being adapted to hold one of said clips with said clip hinge adjacent said inner access opening and with said clip leg distal ends adjacent said outer access opening, said magazine further including a circular array of ratchet teeth concentric about the axis of rotation of said magazine;

spring means carried said frame for engaging one of said ratchet teeth when said magazine is rotated to align any one of said magazine clip storage regions with said first and second jaws;

a pawl carried on one of said handles for engaging said magazine ratchet teeth after said handles have been moved toward each other a predetermined amount;

biasing means associated with said pawl and the handle on which said pawl is carried for biasing said pawl into engagement with said magazine ratchet teeth;

said magazine clip storage regions and ratchet teeth on said magazine being arranged so that the movement said first and second handles toward each other beyond a predetermined point causes said pawl to engage said ratchet teeth and incrementally rotate said magazine to move one of said clip storage regions out of registration with said jaws and to move the next adjacent clip storage region into registration with said jaws;

a wheel mounted for rotation to said frame;

a flexible pusher member secured to and partially wound around said wheel, said flexible pusher member having at least a forward end adapted to enter into one of said magazine clip storage regions in registration with said jaws and to move said clip out of said clip storage region into said jaws;

a circular gear connected with said wheel for rotation therewith; and

a gear segment on one of said first and second handles and engaged with said circular gear for (1) rotating said wheel in a first direction when said handles are moved together to withdraw said flexible pusher member from said jaws and behind said inner access opening of one of said clip storage regions in registration with said jaws and (2) rotating said wheel in a second, opposite direction when said handles are moved apart whereby said flexible pusher member is advanced through one of said clip storage regions in registration with said jaws and between said jaws to position one of said clips at said jaws.

Compl. specn. 24 pages.

Drg. 2 sheets

CLASS : 70-B

161114

Int. Cl. : H 01 m 13/06.

ELECTRODES FOR USE IN ELECTROCHEMICAL ENERGY CELLS AND ELECTROCHEMICAL ENERGY CELLS COMPRISING SAID ELECTRODE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. CHIA-TSUN LIU, 2. BRIAN GREGORY DEMCZYK, 3. IRVIN RUSSELL RITTKO.

Application No. 400/Cal/83 filed April 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An electrode for use in electrochemical energy cells which comprises :

a porous backing sheet and a catalytically active layer attached to said porous backing sheet having an electrolyte permeable side and a backing sheet contacting side;

said catalytically active layer comprising catalyst and a mixture of hydrophobic agglomerates and hydrophilic agglomerates;

the particle size of the hydrophobic agglomerates and the hydrophilic agglomerates increasing from the electrolyte permeable side to the backing sheet contacting side and the weight ration of hydrophobic material : hydrophilic material increasing from the electrolyte permeable side to the backing sheet contacting side.

Compl. specn. 20 pages.

Drg. 2 sheets

CLASS : 92-C

161115

Int. Cl. : B 02 b 3/00.

AN IMPROVED RICE HULLING APPARATUS.

Applicant & Inventor : SOICHI YOMAMOTO, 813-17 OAZA TENDOU KOU, TENDOU-SHI, YAMAGATA-KEN, JAPAN.

Application No. 1260/Cal/83 filed October 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

An improved rice-hulling apparatus comprising :

an unhulled rice lifter (51);

a hulling section (59) provided on one side of the said lifter accommodating inside a pair of hulling rollers (63, 64) followed by a vibratory dispersing member (72) causing the process grain to be transversely disposed on a distributing gutter (79), a blower (69) forcing air to pass through the falling process grain from the said dispersing member causing the hull to be separated from the grain;

a separating section (71) consisting of withdrawal blower (73) withdrawing blow-out hull and discharging the same to the outside of the apparatus; and

an improved vibratory separating section (91) consisting of the said distributing gutter (79) and accommodating a plurality of vibratory separating elements (21) stacked one above another, separating unhulled rice and hulled rice, means for returning separating unhulled rice to the said lifter (51) and hulled rice outside of the apparatus through a finished rice lifter (89).

Compl. specn. 23 pages.

Drg. 9 sheets

CLASS : 27-G & L; 129 J & G 161116

Int. Cl. : B 21 d 11/15; E 04 c 5/03.

A METHOD OF PRODUCING A GOLD-TORSION-STRAIN-HARDENED STEEL ROD, PREFERABLY FOR USE IN REINFORCED CONCRETE, AND A ROD MADE IN ACCORDANCE WITH SAID METHOD.

Applicant & Inventor : ERHARD-PETER WISCHIN OF A-1030 VIENNA, OBERE WEISSGERBERSTRASSE 28, AUSTRIA.

Application No. 1368/Cal/83 filed November 7, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method of producing a cold torsion strain hardened steel rod for use in reinforced concrete, comprising gripping the ends of the rod and rotating the ends of the rod relative to each other to cause twisting of the rod, the twisting of the rod being carried out in two separate working passes.

Compl. specn. 16 pages.

Drg. 1 sheet

CLASS : 32-B 161117

Int. Cl. : C 07 c 1/00.

PROCESS FOR THE PREPARATION OF HYDRO-CARBONS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDTLAAN 30, 2596 HR THE HAGUE, THE NETHERLANDS.

Inventors : 1. JORANNES KORNEIJIS MINDERHOUD, 2. MARTIN FRANCISCUS MARIA POST, 3. SWAN HIONG SIE.

Application No. 1371/Cal 83 filed November 8, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for the preparation of hydrocarbon by catalytic reaction of carbon monoxide with hydrogen, characterized in that a feed which comprises hydrogen, carbon monoxide and steam and in which the quantity of steam present is 10—40% v calculated on the $H_2/CO/H_2O$ mixture, is contacted at a temperature of 125—350°C and at a pressure of 5—150 bar with a catalyst which comprises 5—40 pbw cobalt and 0.1—150 pbw of a promoter chosen from the group formed by zirconium, titanium or chromium per 100 pbw silicon and has been prepared by depositing cobalt and the promoter on a silica carrier by impregnation of kneading, followed by calcination and reduction.

Compl. specn. 23 pages.

Drg. Nil

CLASS : 116-F & G 161118

Int. Cl. : B 64 f 1/00.

LIFT OF AIRCRAFT BOARDING BRIDGE.

Applicant : MITSUBISHI JUKOGYO KABUSHIKI KAISHA, OF 5-1, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. MAKOTO AWAKIHARA, 2. HIDEYUKI SHIMOMURA.

Application No. 15 Cal/84 filed January 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A lift of aircraft boarding bridge including a top horizontal frame which holds the front and part of the tunnel of

the bridge, a pair of outer cylinders suspended vertically from the both end portions of said frame, a pair of inner cylinders telescopically fitted in said outer cylinders to permit the latter to slide therealong and externally threaded shafts housed in said outer cylinders along the central axes thereof and engaged with internally threaded annular plates housed in said inner cylinders, the improvement comprising a pair of motors equipped with brake each and mounted on the both end portions of said top horizontal frame, each said motor being drivingly coupled to each externally threaded shaft.

Compl. specn. 8 pages.

Drgs. 3 sheets

CLASS : 9-D 161119

Int. Cl. : C 22 c 39/14, 39/16, 39/20, 39/26.

LADLE REFINING PROCESS AND APPARATUS.

Applicant : HITACHI, LTD., OF 6, KANDA SURU-GADAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. MASUO KADOSE, 2. YOSHIFUMI OMORI, 3. SHUSUKE MATSUO.

Application No. 60 Cal/84 filed January 28, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A ladle refining process for processing the molten super alloy containing metals liable to be oxidized such as aluminum and titanium comprising the steps of pouring a metal melt of said super alloy into a ladle, covering the surface of said melt with a slag containing known reducing agents and a flux of calcium oxide-calcium fluoride system and heating said melt by non-consumable electrodes while stirring said melt by an inert gas blown into said melt, characterized in that the atmosphere in said ladle is maintained at a reduced pressure of 10-3 to 100 mm Hg during the refining.

Compl. specn. 27 pages.

Drgs. 3 sheets

CLASS : 125-B₂; 146-C 161120

Int. Cl. : G 01 d 1/00, 11/00.

MEASURING ARM OF A MULTI-COORDINATE MEASURING MACHINE.

Applicant : SYLER AG., WASSERWAAGEN UND MESSWERKZEUGE, OF IM HOLDERLI, WINTERTHUR, SWITZERLAND.

Inventor : 1. SIEGERIED THEODOR STAUBER.

Application No. 138 Cal/84 filed February 25, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A measuring arm of a multi-coordinate measuring machine with primary elements for the coordinate measurement, the free end of the measuring arm carrying at least one mechanically acting probe member on the basis of whose displacement relative to the fixing point of the measuring arm on the measuring machine, the primary elements produce signals, which are forwarded by means of a transducer to a control unit of the measuring machine, wherein the measuring arm has a horizontal and a vertical arm part, which are rigidly interconnected, the sensor can be rigidly fixed to the free end of the measuring arm and the primary elements for in each case one of the measuring coordinates are fitted to the horizontal and vertical arm parts at a distance from the free arm end so that they respond to the bending movement of the arm parts.

Compl. specn. 26 pages.

Drgs. 3 sheets

CLASS 53-E

161121

PRINTED SPECIFICATION PUBLISHED

Int. Cl. : B 62 k 19/00.

BICYCLE FRAME WITH INTERNAL CABLE.

Applicant : HUFFY CORPORATION, AT 7701 BYERS ROAD, MIAMISBURG, OHIO 45342, U.S.A.

Inventors : 1. ROBERT LEROY DIEKMAN, 2. TIMOTHY JOSEPH DIETZ.

Application No. 858/Cal 84 filed December 10, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

In a bicycle frame and in particular a bicycle, frame in which the control cables extend to the interior of the structural frame members and of the type having a head tube including an open tubular segment adapted to receive a fork stem and handlebar stem assembly therethrough and first, hollow lug means defining a passage communicating with said open segment, a seat bracket including a body having a seat post opening therethrough and a second, hollow top lug means defining a passage communicating with said seat post opening top tube means having ends fitted oversaid first and second lug means and defining a conduit communicating with said passages thereof, and cable means extending from said head tube to said seat bracket, the improvement comprising :

said first lug means including a first base extending from said tubular segment and abutting an end of said top tube means; and

said first base defining a forward cable outlet located adjacent to said tubular segment.

Compl. specn. 13 pages.

Drgs. 2 sheets

OPPOSITION PROCEEDINGS

(1)

The application for Patent No. 150390 made by Orissa Cement Limited in respect of which an opposition was entered by the Associated Cement Companies Limited as notified in the Gazette of India Part III Section 2 dated the 2nd April 1983, has been refused.

(2)

An opposition has been entered by Council of Scientific and Industrial Research C/o N.R.D.C. New Delhi to the grant of a Patent on application for Patent 158033 made by Shri Shum Murti Mehta, Pune as notified in the Gazette of India Part III, Section 2 dated 21-3-87 has been treated as abandoned.

(3)

An opposition has been entered by M/s. Polar Fan Industries Ltd. to grant of a patent on application No. 159042 dated 25th March, 1983 made by The Jay Engineering Works Limited.

(4)

An opposition has been entered into by M/s. Mayoore Chinubhai Gandhi, Bombay to the grant of a Patent on application for Patent No. 159081 made by M/s. Bullworker Private Limited, Bombay.

CLAIMS UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by National Research Development Corporation of India, under Section 20(1) of the Patents Act, 1970, to proceed the Application for Patent No. 159244 in their name has been allowed.

A limited number of printed copies of the undernoted specifications are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

(1)

105861	108091	111740	112506	112507	112596	115093
115861	116374	116507	117134	118314.		

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115804	118938	126317	127738	129132	130453	131255
135715.						

(3)

142454	142869	142883	143294	143311	143341	143416
143424	143435	143439	143479	143490	143504	143564
143568	143572	143574	143584.			

(4)

143838	143847	143974	144069	144139	144139	144679
144818	144854	144880	144914	144978	145072	145102
145126	145274	145297	145325	145357	145433.	

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153459	153460	153461	153462	153463	153464	153465
153466	153467	153468	153469	153470	153471	153472
153473	153474	153475	153476	153477	153478	153479
153480	153481	153482	153483	153484	153485	153486
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153501	153502	153503	153504	153505	153506	153507
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153529	153530	153531	153532	153533	153534	153535
153536	153537	153538	153539	153540	153541.	

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153693	153694	153695	153696	153697	153698	153699
153700	153701	153702	153703	153704	153705	153706
153707	153708	153709	153710	153711	153712	153713
153714	153715	153716	153717	153718	153719	153720
153721	153722	153723	153724	153725	153726	153727
153728	153729	153730	153731	153732.		

PATENTS SEALED

153690	155686	155687	155701	155702	156036	156548
157700	157766	158036	158197	158201	158202	158211
158214	158215	158218	158221	158222	158223	158224
158225	158226	158227	158228	158229	158230	158232
158287	158289	158291	158296	158299	158300	158352
158386	158511.					

RENEWAL FEES PAID

139547	139922	140209	140409	140620	140887	141229
141771	142302	142426	142703	142863	143028	143037
143255	143341	143909	143928	144034	144082	144134
144282	144860	144951	145013	145183	145201	145426

145498	145654	145975	146034	146035	146257	146436
146790	146869	146907	146966	147113	147175	157768
147866	148521	148752	150644	150667	151543	151574
151642	151682	151786	151848	151858	151987	152000
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152379	152513	152567	152633	152683	152776	152806
152870	152968	152988	153071	153109	153447	153450
153585	153748	153846	153910	153921	153941	153946
154023	154026	154125	154200	154457	154458	154494
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155450	155457	155458	155460	155478	155497	155498
155563	155806	155807	155841	155842	155869	155870
155885	15640	156062	156111	156253	156396	156405
156445	156446	156452	156517	156521	156559	156604
156862	156917	156958	156974	157041	157077	157173
157220	157291	157294	157299	157300	157301	157302
157303	157304	157305	157306	157308	157309	157310
157313	157316	157325	157326	157332	157333	157335
157351	157357	157358	157360	157378	157386	157398
157401	157407	157412	157417	157429	157430	157431
157449	157450	157458	157460	157468	157469	157471
157577	157614	157637	157652	157753	157754	157768
157775	157795	157922	157955	157977	157978	157979
157983	157984	157986	158029	158042	158077	158108
158361	158375	158399	158448			

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156569 granted to Shyam Bhagwandas Kewalramani for an invention relating to "opto-electric counter device for flow meters and the like".

The patent ceased on the 14-4-1987 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 11-7-1987.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 3rd December 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

APPEAL UNDER SECTION 116 IN THE HIGH COURT

Appeal filed by Super Parts Private Ltd. on the decision of the Controller in respect of application for Patent No. 146572 made by Domestic appliances and another has been dismissed by the High Court of Calcutta and Patent allowed to be sealed.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. Nos. 157928, 157930, 157932, 157934 to 157937. Mini Industries. A Proprietary concern of Mathura Industrial Estate, Gala No. 5, Balaram Patil Road, Khari, Bhayander (E), Thana, Maharashtra, India. "Watch Straps". January 28, 1987.

Class 1. Nos. 158033, 158034. Krishan Avtar Singh Oberoi, 15/33, West Patel Nagar, New Delhi-110008, India, Indian. "Gas Lamp". February 18, 1987.

Class 1. No. 158037. Chemi Kleen (India) Pvt. Ltd. C-115, Naraina Industrial Area, Phase I, New Delhi-110028, India, an Indian Company. "Container". February 23, 1987.

Class 1. No. 158055. Ishaq Asgharali Tinwala, Indian, 44, Shamikh, Church Road, Marol, Bombay-400059, Maharashtra, India. "Bolt with chain-guard for doors". February 24, 1987.

Class 1. Nos. 158137 & 158138. N. S. Type Foundry, 127-B, Brick-Klin Road, Purasawalkam, Madras-600007, T.N., India, Indian Proprietary Firm. "Printing Type Founts". March 18, 1987.

Class 3. No. 157952. Galaxy Pharmaceuticals, 13/251, Vedula Bazar, Proddator 516360, A.P., India, Indian Partnership Firm. "Conainter". February 3, 1987.

CESSATION OF PATENTS

140372	140375	140376	140377	140378	140389	140391
140393	140394	140395	140398	140399	140400	140402
140405	140406	140411	140415	140418	140420	140422
140428	140432	140433	140435	140436	140440	140441
140442	140444	140445	140450	140452	140454	140455
140458	140460	140462	140465	140468	140470	140471
140472	140473	140476	140478	140484	140486	140496
140497	140498	140500	140506	140508	140509	140511
140512	140518	140519	140522			

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149398 granted to Stopine Aktiengesellschaft for an invention relating to "a sliding gate arrangement for the tap hole of a metallurgical vessel or furnace".

The patent ceased on the 1-6-1986 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 11-7-1987.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 on or before the 3rd December 1987 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Class 3. No. 157958. Shree Krishna Keshav Laboratories Limited, Amraiwadi Road, Ahmedabad-380008, Gujarat, India. "Pediatric Urine Collector". February 4, 1987.

Class 3. No. 157959. Shree Krishna Keshav Laboratories Limited, Amraiwadi Road, Ahmedabad-380008, Gujarat, India. "Medical Instrument". February 4, 1987.

Class 3. No. 158039. Shri Krishna Keshav Laboratories Limited, Amraiwadi Road, Ahmedabad-380008, Gujarat, India. "Bottle". February 23, 1987.

Class 3. No. 158052. American Home Products Corporation, an American Company of 685, Third Avenue, New York-10017, U.S.A. "Container for Cream or Lotion". February 24, 1987.

Class 3. No. 158056. Ishak Asharali Tinwala, Indian, 44, Shamikh Church Road, Marol, Bombay-400059, Maharashtra, India. "Runner curtain hook". February 24, 1987.

Class 3. No. 158082. V. & E. Friedland Ltd., British Company, Houldsworth Street, Reddish, Stockport, Cheshire, SK5 6 BP, England. "Doorbeel or door chime". Priority date. January 29, 1987 (UK).

Class 5. No. 158050. Kirit Sheth, Indian, 44, Mint Road, Fort, Bombay-400001, Maharashtra, India. "Carton". February 24, 1987.

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